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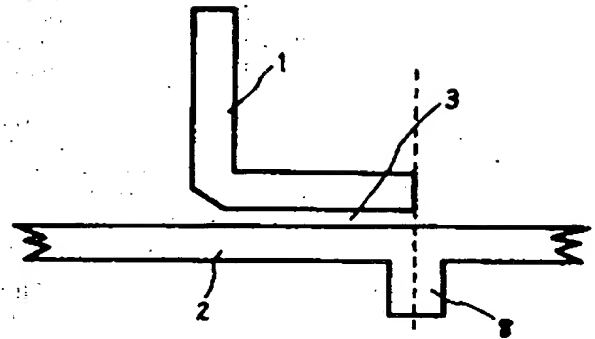
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APPLICANT : HITACHI LTD;

INVENTOR : SODEYAMA CHUICHI;

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TITLE : STRIP LINE FILTER



ABSTRACT : PURPOSE: To increase the attenuation of a stopping band without increasing the degree of attenuation of a pass band, by attaching a capacitive or inductive stub at the opposite side of the area of a transmission line where a resonator approximates.

CONSTITUTION: The area of a terminal-opened line from its end to a length equivalent to the  $1/4$  wavelength of a resonator 1 forming a filter is set close and in parallel to a transmission line 2. The terminal-opened transmission line has a length equivalent to  $1/2$  wavelength of the resonator 1. Then a capacitive or inductive stub 8 is attached at the place to oppose to either one of both the ends at the area equivalent to a length of  $1/4$  wavelength of the line 2 as well as at the opposite place.

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